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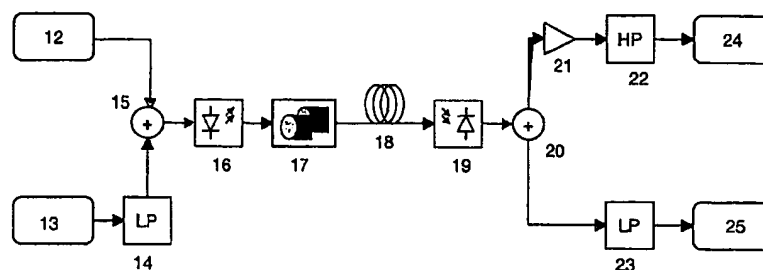
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(54) Title: **MULTISERVICE OPTICAL COMMUNICATION**



(57) Abstract: A method is provided for the transmission of digital and radio frequency signals, for example for multiservice applications, over all types of multimode optical fibre link using laser diodes. The method comprises launching optical radiation into the core of the multimode optical fibre, in a manner that restricts the number of excited modes within it. The subset of modes that are excited suppress additional noise due to the presence of a multiplicity of signals, and ensure high quality transmission.

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